

HDU6581

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#include<iostream>
#include<cstdio>
#include<cstring>
#include<cstdlib>
#include<cmath>
#define LL long long
using namespace std;
const int N=1e5+10;
int n;
LL l[N],s[N],v[N];
int read()
{
    int x=0,f=1;char c=getchar();
    while(c<'0' || c>'9'){if(c=='-')f=-1;c=getchar();}
    while(c>='0' && c<='9'){x=x*10+c-'0';c=getchar();}
    return x*f;
}
int main()
{
    while(~scanf("%d",&n))
    {
        LL len=0;
        double mint=0;
        for(int i=0;i<=n;i++)l[i]=read();
        for(int i=0;i<=n;i++)s[i]=read();
        for(int i=0;i<=n;i++)v[i]=read();
        for(int i=0;i<=n;i++)
        {
            if(!i)mint=s[i]*1.0/v[i];
            else len+=l[i],mint=max(mint,((s[i]+len)*1.0)/v[i]);
        }
        printf("%.10lf\n",mint);
    }
    return 0;
}
```

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